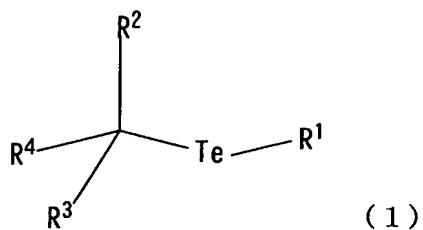


## ABSTRACT OF THE DISCLOSURE

A process for producing a living radical polymer characterized in that a vinyl monomer is polymerized with use 5 of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2), and the living radical polymer obtainable by the process



10 wherein R<sup>1</sup> is C<sub>1</sub>-C<sub>8</sub> alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R<sup>2</sup> and R<sup>3</sup> are each a hydrogen atom or C<sub>1</sub>-C<sub>8</sub> alkyl, and R<sup>4</sup> is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or cyano.



15 wherein R<sup>1</sup> is the same as above.